Resources

**Need Help?**
Visit us online for up-to-date software and complete instruction manuals

1. Visit lorex.com
2. Search for the model number of your product
3. Click on your product in the search results
4. Click on the Downloads tab

**Dimensions**

- 3.7" / 93mm
- 2.8" / 70mm

**Disclaimers**
- For a full list of compatible recorders, visit lorex.com/compatibility
- Not intended for submersion in water. Installation in a sheltered location recommended.
- This camera includes an Auto Mechanical IR Cut Filter. When the camera changes between Day/Night viewing modes, an audible clicking noise may be heard from the camera. This clicking is normal, and indicates that the camera filter is working.

**Using the Weather Resistant Cap [Optional]**

1. Fit the O-ring around the camera Ethernet connector.
2. Connect the cable to the camera Ethernet connector.
3. Twist the barrel securely onto the camera Ethernet connector. The o-ring becomes compressed when the seal is properly tight.
4. Twist the end cap securely onto the barrel.

**Package Contents**
- Eyeball Dome IP Camera
- Mounting Kit*
- Mounting Template*
- Ethernet Extension Cable*

* Per camera in multi-camera packs.

**ATTENTION:**
It is recommended to connect the camera to the NVR or an external PoE switch. If using a DC power adapter (not included) with the camera, a REGULATED power supply is REQUIRED for use with this camera. Use of a non-regulated, non-conforming power supply can damage this product and voids the warranty.

**Safety Precautions**
- Use the camera only with compatible Lorex NVRs.
- Read this guide carefully and keep it for future reference.
- Follow all instructions for safe use of the product and handle with care.
- Use the camera within given temperature, humidity and voltage levels noted in the camera’s specifications.
- Do not disassemble the camera.
- Do not point the camera directly towards the sun or a source of intense light.
- Use only a regulated power supply with the product (optional). Use of a non-regulated, non-conforming power supply can damage the product and void the warranty.
- Periodic cleaning may be required. Use a damp cloth only. Do not use harsh cleaners or aerosol cleaners.
- The supplied cable is rated for surface mounting only. Cables for in-wall and floor-to-floor installations are sold separately (CMR type). These and other cables are available at lorex.com.

**Installation Tips**
- Point the camera where there is the least amount of obstructions (i.e., tree branches).
- Install the camera where vandals cannot easily reach.
- Secure cabling so that it is not exposed or easily cut.
- This camera is rated for outdoor use. Installation in a sheltered location is recommended.

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Installing the Camera

**ATTENTION:**
Test your camera prior to selecting a permanent mounting location by temporarily connecting the camera and cable to your NVR.

**Before Installing the Camera**

- Decide whether to run the cables through the wall/ceiling (drilling required) or along the wall/ceiling.
- If you run the cables along the wall/ceiling, you must run the cable through the cable notch on the base. This will keep the camera base flush to the surface when mounted.

**To install your camera:**

1. Rotate the camera base counterclockwise to separate it from the ball camera, adjustment ring, and dome cover.
2. Use the included mounting template to mark and drill holes for the included mounting screws.
3. Feed the cable through the camera base. If you are running the cables against a wall or ceiling, make sure to pass the cable through the cable notch as shown above.
4. Connect the cables as shown in the section ‘Connecting the Camera’.
5. Mount the camera base to the mounting surface using the included screws and drywall anchors (optional).
6. Place the adjustment ring over the dome cover, then place both over the ball camera. Twist the adjustment ring clockwise halfway onto the camera base. Do not tighten all the way.
7. Move the ball camera to the desired position. While holding the ball camera firmly in place, twist the adjustment ring the rest of the way to secure it to the camera base. Holding the camera prevents it from moving while securing the adjustment ring.
8. Remove the vinyl film from the camera lens when your installation is complete.

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**Connecting the Camera**

Connect the Ethernet cable to the camera.

**NOTE:** A 12V DC power adapter (model#: CVA4902, not included) is only required if connecting the camera’s Ethernet cable to a router or switch that does not support PoE.

Connect the other end of the Ethernet cable to the NVR’s PoE ports. The camera may take a minute to power up after being connected.

**OR**

Connect the other end of the Ethernet cable to a router or switch on your network. See your NVR manual for details on connecting the camera to your NVR using a switch or router.

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**Setup Diagram**

**Scenario 1:** Connect Cameras to NVR

1. Connect the Ethernet cable to the camera.
2. Mount the camera base to the mounting surface using the included screws and drywall anchors (optional).
3. Place the adjustment ring over the dome cover, then place both over the ball camera. Twist the adjustment ring clockwise halfway onto the camera base. Do not tighten all the way.
4. Move the ball camera to the desired position. While holding the ball camera firmly in place, twist the adjustment ring the rest of the way to secure it to the camera base. Holding the camera prevents it from moving while securing the adjustment ring.
5. Remove the vinyl film from the camera lens when your installation is complete.

**Scenario 2:** Connect Cameras to Local Area Network (LAN)

1. Connect the Ethernet cable to the camera.
2. Mount the camera base to the mounting surface using the included screws and drywall anchors (optional).
3. Place the adjustment ring over the dome cover, then place both over the ball camera. Twist the adjustment ring clockwise halfway onto the camera base. Do not tighten all the way.
4. Move the ball camera to the desired position. While holding the ball camera firmly in place, twist the adjustment ring the rest of the way to secure it to the camera base. Holding the camera prevents it from moving while securing the adjustment ring.
5. Remove the vinyl film from the camera lens when your installation is complete.

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**Cable Extension Options**

Extend the Ethernet cable run for your camera up to 300ft (92m). See table below. It is recommended to use UL CMR approved cables available at lorex.com.

<table>
<thead>
<tr>
<th>Cable Type</th>
<th>Max Cable Run Distance</th>
<th>Max # of Extensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAT5e (or higher) Ethernet cable</td>
<td>300ft (92m)</td>
<td>3</td>
</tr>
</tbody>
</table>

- You can use a RJ45 coupler or switch (not included) to connect male ends of Ethernet cable together.
- To extend the cable run beyond 300ft (92m), a switch will be required (sold separately).

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**Troubleshooting**

<table>
<thead>
<tr>
<th>Problem</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>No picture / signal</td>
<td>Ensure the camera is connected to a compatible NVR. For full camera compatibility, visit lorex.com/compatibility.</td>
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